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TITLE: DIGITAL PROTECTION CONTROLLER
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ABSTRACT:

PROBLEM TO BE SOLVED: To automatically correct a digital signal used for protection arithmetic processing according to a detected value by automatically detecting an offset generated in an analog system.

SOLUTION: An analog signal from a power system is taken into an analog filter 1b, and the analog signal is filtered by a multiplexer, while being sampled by an A/D converter 1c and being converted into a digital signal. Digital-filter arithmetic processing is executed to the

digital signal in a digital filter 1e, an offset is extracted, and the offset is stored in a memory 1g as an offset correction value. The digital signal by an output from the A/D converter 1c is subtracted and corrected successively at the offset correction value from the memory 1g in a subtracter 1h, and protection arithmetic processing for controlling a relay is conducted in accordance with the corrected digital signal.

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